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(54) Method and apparatus for recording broadcast data

(57) A system (206) receives a broadcast data stream that is encoded using any encoding format. The received broadcast data stream is demultiplexed and stored on a storage device, in response to a command

to play back the stored broadcast data stream, the stored data stream is retrieved and rendered in a manner that corresponds to the play back command. Multiple systems may retrieve the stored broadcast data stream simultaneously.

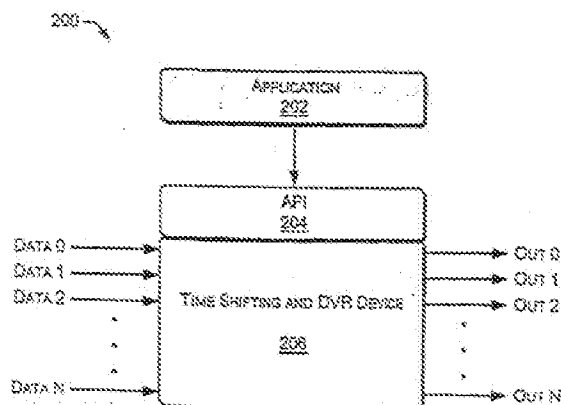


Fig. 2



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EUROPEAN SEARCH REPORT

Application Number
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-/-			
This present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 2 November 2004	Examiner Brod, R
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background Q : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date O : document cited in the application C : document cited for other reasons S : member of the same patent family, corresponding document</p>			

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EUROPEAN SEARCH REPORT

Application Number
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 2 November 2004	Examiner Brod, R
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet 8

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

see annex



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LACK OF UNITY OF INVENTION
SHEET B

Application Number

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-11

(a) Independent claims 1 and 11 relate to a broadcast stream, demultiplexing it, storing and time shift (recording) of data. Thus these claims relate to a fundamental time shift recording.

2. claims: 12-31, 37-47

(a) Independent claims 1 and 11 relate to a broadcast stream, demultiplexing it, storing and time shift (recording) of data. Thus these claims relate to a fundamental time shift recording.

3. claims: 32-36

(c) Independent claims 32 and 36 relate to receiving a broadcast stream separating, storing retrieval, receiving a pause command, halting rendering and continuing storing. Thus these claims relate to a fundamental pausing.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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